

**Summary Report for Individual Task
052-247-1315
Control Hazards of a Confined Space
Status: Approved**

Distribution Restriction: Approved for public release; distribution is unlimited.

Destruction Notice: None

Foreign Disclosure: FD1 - The materials contained in this course have been reviewed by the course developers in coordination with the Ft Leonard Wood, MO/MSCOE foreign disclosure authority. This course is releasable to students from all requesting foreign countries without restrictions.

Condition: You are a member of an Urban Search and Rescue (US&R) team given a confined space rescue incident, barrier control devices, hazard isolation equipment and personal protective equipment (PPE). This task should not be trained in MOPP 4.

Standard: Control hazards of a confined space ensuring that access to the incident scene, atmospheres and harmful energy releases are controlled, rescuers are protected from hazardous materials, and victims are protected from further harm.

Special Condition: None

Safety Risk: Medium

MOPP 4: Never

Task Statements

Cue: None

DANGER

None

WARNING

None

CAUTION

None

Remarks: All required references and technical manuals will be provided by the local US&R Command.

Notes: None

Performance Steps

1. Establish a perimeter using scene control barriers.
2. Control access to the incident scene.
3. Conduct atmospheric monitoring of the environment. (See task 052-247-1203)
4. Ventilate the confined space (as needed). (See task 052-247-1204)
5. Determine equipment and distribution systems to be deenergized.

Note: Ensure securing the utility system will not have a negative impact on operations. Utilize both the facility representatives and facility pre-plans whenever securing facility utilities.

6. Isolate confined space hazards.
 - a. Lockout/tagout an electrical equipment switch.
 - (1) Consult with the facility representative to make sure the proper switch is being secured.
 - (2) Determine if securing the switch will have a negative impact on operations.
 - (3) Place the switch in the off position.
 - (4) Attach the lockout device to the electrical switch.
 - (a) Open the lockout hasp.
 - (b) Place the lockout hasp on the switch through the holes that line up between the switch and the housing.
 - (c) Close the lockout hasp so the holes line up.
 - (5) Place the tag-out tag on the lock.
 - (6) Fill in the information on the tag with the person performing the lockout/tagout, date, department name, and expected completion date.
 - (7) Insert the lock through one of the holes on the hasp.
 - (8) Fasten the lock and give the key to supervisor or safety officer.



Figure 052-247-1315-1
Electrical Switch

b. Lockout/tagout an electrical circuit breaker.

- (1) Locate the circuit breaker panel.
- (2) Switch the circuit breaker to the off position.
- (3) Attach the electrical lockout device.
 - (a) Open the breaker lockout.
 - (b) Place the breaker lockout over the secured circuit breaker.
 - (c) Twist the lockout thumb wheel to secure lockout device to circuit breaker.
 - (d) Close the lid on the lockout device.
- (4) Place the tag-out tag on the lock.
- (5) Fill in the information on the tag with the person performing the lockout/tagout, date, department name, and expected completion date.
- (6) Insert the lock through the hole on lockout device to prevent device from being opened and fasten the lock.
- (7) Give the key to supervisor or safety officer.



Figure 052-247-1315-2
Circuit Breaker

c. Lockout/tagout gate valves.

Note: In case of a water main rupture, notify a facility representative or water utilities personnel.

- (1) Turn off the valve.
- (2) Attach the gate valve lockout device.
 - (a) Secure proper size gate valve cover.
 - (b) Open the gate valve cover and place on the valve handle.
 - (c) Ensure the cover rotates freely and does not allow the valve to be opened.
- (3) Place the tag-out tag on the lock.
- (4) Fill in the information on the tag with the person performing the lockout/tagout, date, department name, and expected completion date.
- (5) Insert the lock through the holes on the gate valve cover and lock the lock.
- (6) Give the key to supervisor or safety officer.



Figure 052-247-1315-3
Gate Valve

7. Confirm that hazards have been isolated.

8. Inform the supervisor that the hazards have been isolated.

(Asterisks indicates a leader performance step.)

Evaluation Guidance: Score each Soldier GO if all measures are passed (P) correctly. Score the Soldier a NO-GO if any measure is failed (F). If the Soldier fails any measurement, show him how to do it correctly.

Evaluation Preparation: Setup: Provide the Soldier with the items listed in the conditions. Brief Soldier: Tell the Soldier to control hazards of a confined space.

PERFORMANCE MEASURES	GO	NO-GO	N/A
1. Established a perimeter using scene control barriers.			
2. Controlled access to the incident scene.			
3. Conducted atmospheric monitoring of the environment. (See task 052-247-1203)			
4. Ventilated the confined space (as needed). (See task 052-247-1204)			
5. Determined equipment and distribution systems to be deenergized.			
6. Isolated confined space hazards.			
7. Confirmed that hazards have been isolated.			
8. Informed the supervisor that the hazards have been isolated.			

Supporting Reference(s):

Step Number	Reference ID	Reference Name	Required	Primary
	29 CFR 1910.146	Permit Required-Confined Spaces	No	No
	CS&SRR	Confined Space and Structural Rope Rescue, Mosby - 1998, Tom Vines, Michael Roop, Richard Wright	No	No
	NFPA 1006	Standard for Rescue Technician Professional Qualifications	Yes	Yes

Environment: Environmental protection is not just the law but the right thing to do. It is a continual process and starts with deliberate planning. Always be alert to ways to protect our environment during training and missions. In doing so, you will contribute to the sustainment of our training resources while protecting people and the environment from harmful effects. Refer to FM 3-34.5 Environmental Considerations and GTA 05-08-002 ENVIRONMENTAL-RELATED RISK ASSESSMENT.

Safety: In a training environment, leaders must perform a risk assessment in accordance with ATP 5-19, Risk Management. Leaders will complete the current Deliberate Risk Assessment Worksheet in accordance with the TRADOC Safety Officer during the planning and completion of each task and sub-task by assessing mission, enemy, terrain and weather, troops and support available-time available and civil considerations, (METT-TC). Note: During MOPP training, leaders must ensure personnel are monitored for potential heat injury. Local policies and procedures must be followed during times of increased heat category in order to avoid heat related injury. Consider the MOPP work/rest cycles and water replacement guidelines IAW FM 3-11.4, Multiservice Tactics, Techniques, and Procedures for Nuclear, Biological, and Chemical (NBC) Protection, FM 3-11.5, Multiservice Tactics, Techniques, and Procedures for Chemical, Biological, Radiological, and Nuclear Decontamination.

Prerequisite Individual Tasks : None

Supporting Individual Tasks :

Task Number	Title	Proponent	Status
052-247-1207	Construct a Lowering System for Rope Rescues	052 - Engineer (Individual)	Approved
052-247-1203	Conduct Atmospheric Monitoring for an Urban Search and Rescue Incident	052 - Engineer (Individual)	Approved
052-247-1204	Perform Ventilation Procedures for an Urban Search and Rescue Incident	052 - Engineer (Individual)	Approved

Supported Individual Tasks :

Task Number	Title	Proponent	Status
052-247-1218	Perform Rescue of an Injured or Unconscious Victim from a Confined Space	052 - Engineer (Individual)	Approved

Supported Collective Tasks :

Task Number	Title	Proponent	Status
05-3-8013	Perform Confined Space Rescue Operations	05 - Engineers (Collective)	Approved

05-3-8011	Perform Rope Rescue Operations	05 - Engineers (Collective)	Approved
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